

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



JPW

THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLN. OF: WONG
SERIAL NO.: 10/736,650
FILED: December 16, 2003
FOR: Production of Electrolytic Capacitors and Superconductors
GROUP: 3729
DOCKET: SUPERCON 23

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In connection with the above-entitled matter, Applicant hereby proffers U.S. Patent Office Form PTO-1449, including a copy of the reference listed therein, along with copies of the PTO-1449's and PTO-892's from related patent application numbers 09/532,362, 09/753,200, 10/037,935, and 10/282,35. These references were cited in related applications. Therefore, additional copies are not believed necessary. The claims in the present application are believed to be patentably distinguished over these references.

This information disclosure statement is being made pursuant to the duty of disclosure imposed by law and formulated in 37 CFR 1.56(A). No representation is made that the information thus disclosed in fact constitutes prior art or that it is the closest prior art, inasmuch as 37 CFR 1.56(A) relies on a materiality concept which depends on subjectivity.

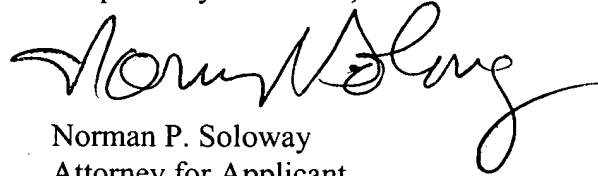
The enclosed Information Disclosure Statement is being submitted prior to issuance of the first action on the merits. Therefore, we believe there are no fees involved with this

HAYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

Information Disclosure Statement.] In the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account No. 08-1391.

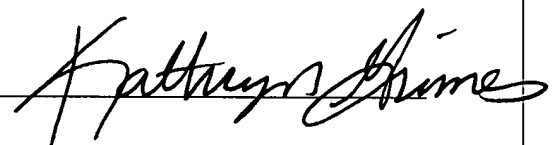
Respectfully submitted,



Norman P. Soloway
Attorney for Applicant
Reg. No. 24,315

CERTIFICATE OF MAILING

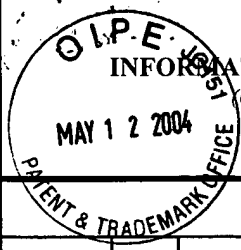
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 10, 2004 at Tucson, Arizona.

By: 

HAYES SOLOWAY P.C.

130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

**INFORMATION DISCLOSURE CITATION***(Use several sheets if necessary)*

Docket Number (Optional)

SUPERCON 23

Application Number

10/736,650

Applicant(s)

WONG

Filing Date

December 16, 2003

Group Art Unit

3729**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		WO 02/45106	6.6.02	PCT	H01G	9/00		

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		"Alternative Materials for Electrolytic Capacitor" Reichert et al., T.I.C. Bulletin, No. 109, March 2002

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



3729

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

STAMP: MAY 12 2004
PATENT & TRADEMARK OFFICE

Docket Number (Optional) SUPERCON 20	Application Number 09/532,362
Applicant(s) WONG	
Filing Date MARCH 20, 2000	Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

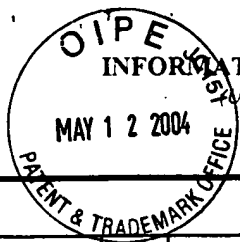
FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
✓	JP 4033272A	2/4/92	JAPAN				Abstract
✓	JP 3208279A	9/11/91	JAPAN				Abstract
✓	JP 2197017A	8/3/90	JAPAN				Abstract
	JP 2106885A2	4/18/90	JAPAN				Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

SUPERCON 20

Application Number

09/532,362

Applicant(s)

WONG

Filing Date

MARCH 21, 2000

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	✓	5,534,219	7/9/96	MARANCIK ET AL	419	4	
	✓	5,174,831	12/29/92	WONG ET AL	148	98	
	✓	5,869,196	2/9/99	WONG ET AL	428	613	

FOREIGN PATENT DOCUMENTS


	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<div style="text-align: center;">  <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p> </div>	ATTY DOCKET NO. SUPERCON 20	SERIAL NO. 09/532,362
	WONG	
	FILING MARCH 21, 2000	GROUP 3725

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	5,034,857	7/23/91	WONG	362	509	
✓	5,869,196	2/9/99	WONG ET AL	428	613	
✓	3,277,564	10/11/66	WEBBER ET AL	29	419	
✓	3,379,000	4/23/68	WEBBER ET AL	57	139	
✓	3,394,213	7/23/68	ROBERTS ET AL	264	174	
✓	3,567,407	3/2/71	YOBLIN	29	191.4	
✓	3,698,863	10/17/72	ROBERTS ET AL	29	183.5	
✓	3,742,369	6/26/73	DOUGLASS	317	230	
✓	4,502,884	3/5/85	FIFE	75	0.5 AB	
✓	5,306,462	4/26/94	FIFE	419	24	
✓	5,245,514	9/14/93	FIFE ET AL	361	529	

FOREIGN PATENT DOCUMENTS

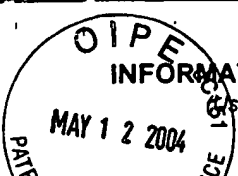
*	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	✓	11-250747	9/17/99	JAPAN	H01B	13/00	✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

*	EXAMINER INITIAL	✓	Smathers et al. "A15 Superconductors", Metals Handbook, Tenth Edition, Vol. 2, pps 1060-1077
		✓	Rosner et al, "Review of Superconducting Activities at IGC on A-15 Conductors", Filamentary A-15 Superconductors, Plenum Press, NY published 1980, ppg 67-79

EXAMINER	DATE CONSIDERED
-----------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<div style="text-align: center;">  <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p> </div>	ATTY DOCKET NO. SUPERCON 20	SERIAL NO. 09/532,362
	WONG	
	FILING MARCH 21, 2000	GROUP 3725

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	3,218,693	11/23/65	ALLEN ET AL	29	155.5	
✓	3,429,032	2/25/69	MARTIN ET AL	29	599	

FOREIGN PATENT DOCUMENTS

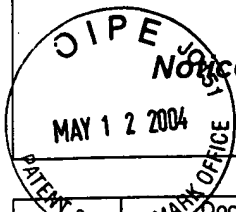
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		✓	Scanlan et al, "Multifilamentary Nb3Sn for Superconducting Generator Applications", IEEE Trans. MAG-11, March 1975 pps 287-290

EXAMINER	DATE CONSIDERED
-----------------	------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Notice of References Cited

Application/Control No.

09/753,200

Applicant(s)/Patent Under
Reexamination
WONG, JAMES

Examiner

C. J. Arbes

Art Unit

3729

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			


FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	03-208279	09-1991	Japan	Hiroshi	
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Xu, J-Q, et al, Development of Internal-Tin Diffusion Multifilamentary Nb3Sn Conductra including Hydrostatic extrusion, IEEE Transaction of Magnetics, March 1988, Vol. 24, No. 2, Pages 1127-1130
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<div style="text-align: center;">  <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p> </div>	ATTY DOCKET NO. SUPERCON 20 CIP	SERIAL NO. 09/753,200
	WONG	
	FILING JANUARY 2, 2001	GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	4,767,470	8/30/88	TACHIKAWA ET AL	148	11.5	
✓	4,746,581	5/24/88	FLUKIGER	428	614	
✓	5,299,728	4/5/94	KING ET AL	228	179.1	
✓	5,541,787	7/30/96	JOHNSON ET AL	148	98	
✓	5,505,790	4/9/96	BENZ ET AL	148	98	
✓	4,224,087	9/23/80	TACHIKAWA ET AL	148	133	
✓	4,776,899	10/11/88	MURASE ET AL	148	11.5	
✓	5,869,169	2/9/99	JONES	428	213	

FOREIGN PATENT DOCUMENTS

*	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		✓	SAKAMOTO ET AL, "Very High Critical Current Density of Bronze-Processed (Nb,Ti)3Sn Superconducting Wire IEEE Transactions on Applied Superconductivity, Vol. 10, No. 1, March 2000, pps 971-974
		✓	Rumaner et al, "Effect of Oxygen and Zirconium on the Growth and Superconducting Properties of Nb3Sn, Metallurgical and Materials Transactions, Vo. 25A, January 1994, ps 203-211

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Docket Number (Optional)

SUPERCON 20 CIP

Application Number

09/753,200

Applicant(s)

WONG

Filing Date

JANUARY 2, 2001

Group Art Unit

*EXAMINER
INITIALS**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)Naus et al, "The Interdiffusion of Cu and Sn in Internal Sn Nb₃Sn Superconductors, IEEE Transaction ASC, Vol 10 No. 1 pps 983-987

✓ Caslaw, J. S., Enhancement of the critical current density in niobium-tin, Cryogenics, Feb 1971, pps 57-59

✓ Summers et al, "The Influence of Liquid Metal Infiltration on Superconducting Characteristics of Niobium Nitride", Advanced in Cryogenic Eng., Vol 34, pps 835-842, 1987

✓ Tachikawa, K., "Developments of A15 Filamentary Composite Superconductors in Japan by Masaki Suenaga and Alan F. Clark, Plenum Press, NY, Cryogenic Mat. Series 1980, pps 1-15

✓ Katagiri et al, "Tensile Strain/Transverse Compressive Stress Effects in Nb₃Sn Multifilamentary Wires with CuNb Reinforcing Stabilizer" Advanced in Cryogenic Eng., Vol 42, Plenum Press NY, pps 1423-1432


✓ Dew-Hughes et al, "Treatise on Material Science and Technology", Vol. 14, Metallurgy of Superconducting Materials, 1979 pps 429-432

✓ Valder, B., "Niobium Alloy C-103/Aerospace Applications" Wah Chang, Outlook 1st Quarter 2000

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	Notice of References Cited		Application/Control No. 10/037,935	Applicant(s)/Patent Under Reexamination WONG, JAMES	
			Examiner C. J. Arbes	Art Unit 3729	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
✓	A	US-3,743,986	07-1973	McInturff et al.	335/216
✓	B	US-4,055,887	11-1977	Meyer, Gundolf	29/599
✓	C	US-4,224,087	09-1980	Tachikawa et al.	148/98
✓	D	US-4,977,039	12-1990	Onishi et al.	428/623
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

(Use several sheets if necessary)

MAY 12 2004

SUPERCON 20 CIP2

10/037,935

WONG

Filing Date

January 2, 2002

Group Art Unit

~~COPY OF ORIGINAL~~

U.S. PATENT DOCUMENTS

COPY OF PAPER
ORIGINALLY FILED

FOREIGN PATENT DOCUMENTS

		JP	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
Cp		JP 4033272A	2/4/92	JAPAN			
Cp		JP 3208279A	9/11/91	JAPAN			✓
Cp		JP 2197017A	8/3/90	JAPAN			✓
Cp		JP 2106885A2	4/18/90	JAPAN			✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

C. J. Archer

DATE CONSIDERED _____

11/103

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DISCLOSURE CITATION

(Use several sheets if necessary)

MAY 12 2004

FEB 24 2003

Docket Number (Optional)

SUPERCON 20 CIP II

Application Number

10/037,935

Applicant(s)
WONG

Filing Date

January 2, 2002

Group Art Unit

3729

PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILE IF API
	3,218,693	11/23/65	ALLEN et al.	29	155.5	
	3,277,564	10/11/66	WEBBER et al.	29	419	
	3,379,000	4/23/68	WEBBER et al.	57	139	
	3,394,213	7/23/68	ROBERTS et al.	264	174	
	3,429,032	2/25/69	MARTIN et al.	29	599	
	3,567,407	3/2/71	YOBLIN	29	191.4	
	3,698,863	10/17/72	ROBERTS et al.	29	183.5	
	3,742,369	6/26/73	DOUGLASS	317	230	
	4,502,884	3/5/85	FIFE	75	0.5 AB	
	5,034,857	7/23/91	WONG	362	509	
	5,174,831	12/29/92	WONG et al.	148	98	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES
	JP 4033272A	2/4/92	JAPAN (w/ abstract)			
	JP 2197017A	8/3/90	JAPAN (w/ abstract)			
	JP 2106885A2	4/18/90	JAPAN (w/ abstract)			
	JP 3208279	9/11/91	JAPAN (w/ abstract)			
	JP 11250747	9/17/99	JAPAN			✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Smathers et al. "A15 Superconductors", Metals Handbook, Tenth Edition, Vol. 2, pps 1060-1077
	Rosner et al. "Review of Superconducting Activities at IGC on A-15 Conductors", Filamentary A-15 Superconductor, Plenum Press, NY published 1980, ppg 67-79

EXAMINER

C. J. Duber

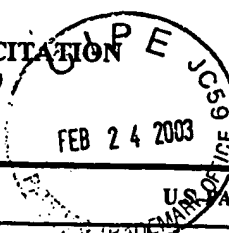
DATE CONSIDERED

11/1/03

EXAMINER: initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



Docket Number (Optional) SUPERCON 20 CIP II	Application Number 10/037
Applicant(s) WONG	
Filing Date January 2, 2002	Group Art Unit 3729

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	II
ga		5,245,514	9/14/93	FIFE et al.	361	529	
ga		5,299,728	4/5/94	KING et al.	228	179.1	
ga		5,306,462	4/26/94	FIFE	419	24	
ga		5,505,790	4/9/96	BENZ et al.	148	98	
ga		5,534,219	7/9/96	MARANCIK et al.	419	4	
ga		5,541,787	7/30/96	JOHNSON et al.	148	98	
ga		5,869,169	2/9/99	JONES	428	213	
ga		5,869,196	2/9/99	WONG et al.	428	613	

RECEIVED
FEB 27 2003
TECHNOLOGY CENTER B370C

FOREIGN PATENT DOCUMENTS

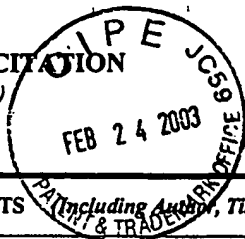
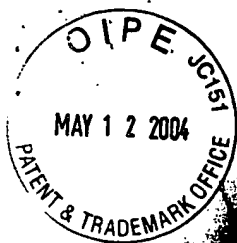
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Scanlan et al. "Multifilamentary NB3Sn for Superconducting Generator Applications", IEEE Trans. MAG-11, N pps 287-290
	Sakamoto et al. "Very High Critical Current Density of Bronze-Processed (Nb,Ti)3Sn Superconducting Wire" IF Transactions on Applied Superconductivity, Vol. 10, No. 1, March 2000, pps 971-974

EXAMINER <i>C. J. Ailes</i>	DATE CONSIDERED <i>2/1/03</i>
--------------------------------	----------------------------------

EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance. Include copy of this form with next communication to applicant.



Docket Number (Optional)	Application Number
SUPERCON 20 CIP II	10/037,935
Applicant(s) WONG	
Filing Date January 2, 2002	Group Art Unit 3729

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

Rumaner et al. "Effect of Oxygen and Zirconium on the Growth and Superconducting Properties of Nb₃Sn" Met and Materials Transactions, Vol. 25A, January 1994, ps 203-211

Naus et al. "The Interdiffusion of Cu and Sn in International Sn Nb₃Sn Superconductors" IEEE Transaction AS No. 1, pps. 983-987

Caslaw, J.S., "Enhancement of the Critical Current Density in Niobium-Tin" Cryogenics, Feb. 1971, pps 57-59

Summers et al., "The Influence of Liquid Metal Infiltration on Superconducting Characteristics of Niobium Nitride Advanced in Cryogenic Eng., Vol. 34, pps 835-842, 1987

Tachikawa, K., "Developments of A15 Filamentary Composite Superconductors in Japan by Masaki Suenaga and Clark", Plenum Press, NY, Cryogenic Mat. Series 1980, pps. 1-15

Katagiri et al. "Tensile Strain/Transverse Compressive Stress Effects in Nb₃Sn Multifilamentary Wires with CuNb Reinforcing Stabilizer" Advanced in Cryogenic Eng., Vol. 42, Plenum Press, NY, pps. 1423-1432

Dew-Hughes et al. "Treatise on Material Science and Technology" Vol. 14, Metallurgy of Superconducting Materials pps. 429-432

Valder, B., "Niobium Alloy C-103/Aerospace Applications" Wah Chang, Outlook 1st Quarter 2000

RECEIVED
FEB 27 2003
TECHNOLOGY CENTER H3700

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

SUPERCON 20 CIP II

Application Number

10/037,935

Applicant(s)

WONG

Filing Date

January 2, 2002

Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,540,787	7/30/96	Johson et al	148	98	
		4,776,899	10/11/88	Murase et al	148	11.5 F	
		4,767,470	8/30/88	Tachikawa et al	148	11.5 F	
		4,746,581	5/24/88	Fliikiger	428	614	
		4,224,087	9/23/80	Tachikawa et al	148	133	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		3-208279	9/11/91	JAPAN w/abstract	H01R	43/00		✓

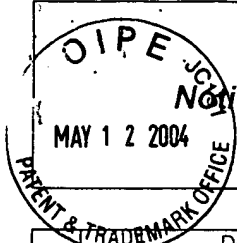
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Xu et al, "Development of Internal-Tin Diffusion Multifilamentary Nb3Sn Conductors including Hydrostatic Extrusion", IEEE Transactions on Magnetics, Vol. 24, No. 2, March 1988. pgs 1127-1130

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Notice of References Cited

Application/Control No. 10/037,935	Applicant(s)/Patent Under Reexamination WONG, JAMES	
Examiner C. J. Arbes	Art Unit 3729	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
X	A	US-4,767,470	08-1988	Tachikawa et al.	148/98
X	B	US-4,746,581	05-1988	Flukiger, Rene	428/614
X	C	US-5,299,728	04-1994	King et al.	228/179.1
X	D	US-5,541,787	07-1996	Jabbari et al.	360/97.01
X	E	US-5,505,790	04-1996	Benz et al.	148/98
X	F	US-4,224,087	09-1980	Tachikawa et al.	148/98
X	G	US-4,776,899	10-1988	Murase et al.	148/98
X	H	US-5,869,169	02-1999	Jones, Gary W.	428/213
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

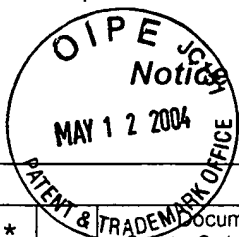
FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
X	N	03-208279	09-1991	Japan	Hiroshi	
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
X	U	Sakamoto et al, "Very High Critical Current Density of Bronze-Processed (Nb, Ti)Sn Superconducting Wire IEEE Transactions on Applied Superconductivity, Vol. 10, No. 1, March 2000, pp 971-974.
X	V	Rumaner et al. "Effect of Oxygen and Zirconium on the Growth and Superconducting Properties of Nb3Sn, Metallurgical and Materials Transactions, Vol. 25A, January 1994, pp203-211.
X	W	Naus et al "The Interdiffusion of Cu and Sn in Internal Sn Nb3Sn Superconductors, IEEE Transactions ASC, Vol 10, No. 1, pp983-987.
X	X	Caslaw, J.S. "The Influence of Liquid Metal Infiltration on Superconducting Characteristics of Niobium Nitride", Advances in Cryogenic Eng., Vol. 34, pp 835-847, 1987

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



Notice of References Cited

Application/Control No. 10/037,935		Applicant(s)/Patent Under Reexamination WONG, JAMES	
Examiner C. J. Arbes		Art Unit 3729	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

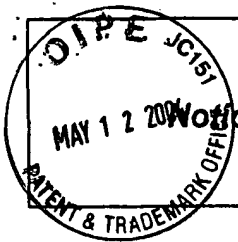
FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
X	U	Tachikawa, K., "Developments of A15 Elementary Composite Superconductors in Japan by Masaki Suenaga and Alan F. Clark, Plenum Press, NY, Cryogenic Mat. Series 1980, pp 1-15.
X	V	Katagiri et al. "Tensile Strain/Transverse Compressive Stress Effects in Nb3Sn Multifilimentary Wires with CuNb Reinforcing Stabilizer" Advances in Cryogenic Eng. , Vol. 42, Plenum Press, NY, pp 1423-1432.
X	W	Dew-Hughes et al "Treatise on Material Science and technology", Vol. 14, Metallurgy of Superconducting Materials, 1979, pp 429-432.
X	X	Valder, B. "Niobium Alloy C-103/Aerospace Applications" Wah Chang, Outlook 1 st Quarter 2000.

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**Notice of References Cited**

Application/Control No.

10/282,354

Applicant(s)/Patent Under
Reexamination
WONG, JAMES

Examiner

C. J. Arbes

Art Unit

3729

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
X	A	US-3,743,989	07-1973	Nicolas et al.	336/5
X	B	US-4,055,887	11-1977	Meyer, Gundolf	29/599
X	C	US-4,224,087	09-1980	Tachikawa et al.	148/98
X	D	US-4,977,039	12-1990	Onishi et al.	428/623
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

SUPERCON 20 CIP3

Application Number

10/282,354

Applicant(s)

WONG

Filing Date

October 29, 2002

Group Art Unit

PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,540,787	7/30/96	Johnson et al	148	98	
		4,776,899	10/11/88	Murase et al	148	11.5 F	
		4,767,470	8/30/88	Tachikawa et al	148	11.5 F	
		4,746,581	5/24/88	Fliikiger	428	614	
		4,224,087	9/23/80	Tachikawa et al	148	133	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		3-208279	9/11/91	JAPAN w/abstract	H01R	43/00		✓

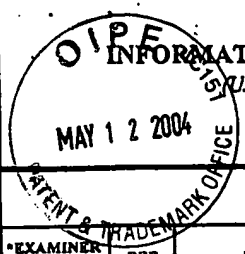
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Xu et al, "Development of Internal-Tin Diffusion Multifilamentary Nb3Sn Conductors Including Hydrostatic Extrusion", IEEE Transactions on Magnetics, Vol. 24, No. 2, March 1988. pgs 1127-1130

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

SUPERCON 20 CIP 3

Application Number

10/282,354

Applicant(s)

WONG

Filing Date

October 29, 2002

Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,218,693	11/23/65	ALLEN et al.	29	155.5	
		3,277,564	10/11/66	WEBBER et al.	29	419	
		3,379,000	4/23/68	WEBBER et al.	57	139	
		3,394,213	7/23/68	ROBERTS et al.	264	174	
		3,429,032	2/25/69	MARTIN et al.	29	599	
		3,567,407	3/2/71	YOBLIN	29	191.4	
		3,698,863	10/17/72	ROBERTS et al.	29	183.5	
		3,742,369	6/26/73	DOUGLASS	317	230	
		4,502,884	3/5/85	FIFE	75	0.5 AB	
		5,034,857	7/23/91	WONG	362	509	
		5,174,831	12/29/92	WONG et al.	148	98	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		JP 4033272A	2/4/92	JAPAN (w/ abstract)				✓
		JP 2197017A	8/3/90	JAPAN (w/ abstract)				✓
		JP 2106885A2	4/18/90	JAPAN (w/ abstract)				✓
		JP 3208279	9/11/91	JAPAN (w/ abstract)				✓
		JP 11250747	9/17/99	JAPAN			✓	

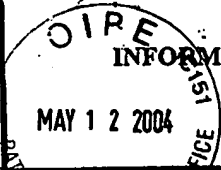
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Smathers et al. "A15 Superconductors", Metals Handbook, Tenth Edition, Vol. 2, pps 1060-1077
		Rosner et al. "Review of Superconducting Activities at IGC on A-15 Conductors", Filamentary A-15 Superconductors, Plenum Press, NY published 1980, ppg 67-79

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<div style="text-align: center;">  <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p> </div>	Docket Number (Optional) SUPERCON 20 CIP 3	Application Number 10/282,354
	Applicant(s) WONG	
	Filing Date October 29, 2002	Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,245,514	9/14/93	FIFE et al.	361	529	
		5,299,728	4/5/94	KING et al.	228	179.1	
		5,306,462	4/26/94	FIFE	419	24	
		5,505,790	4/9/96	BENZ et al.	148	98	
		5,534,219	7/9/96	MARANCIK et al.	419	4	
		5,541,787	7/30/96	JOHNSON et al.	148	98	
		5,869,169	2/9/99	JONES	428	213	
		5,869,196	2/9/99	WONG et al.	428	613	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

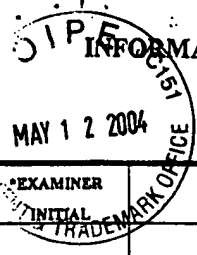
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Scanlan et al. "Multifilamentary Nb3Sn for Superconducting Generator Applications", IEEE Trans. MAG-11, March 1975, pps 287-290
		Sakamoto et al. "Very High Critical Current Density of Bronze-Processed (Nb,Ti)3Sn Superconducting Wire" IEEE Transactions on Applied Superconductivity, Vol. 10, No. 1, March 2000, pps 971-974

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (optional) SUPERCON 20 CIP 3		Application Number 10/282,354	
		Applicant(s) WONG			
		Filing Date October 29, 2002		Group Art Unit	
EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Rumaner et al. "Effect of Oxygen and Zirconium on the Growth and Superconducting Properties of Nb ₃ Sn" Metallurgical and Materials Transactions, Vol. 25A, January 1994, ps 203-211			
		Naus et al. "The Interdiffusion of Cu and Sn in International Sn Nb ₃ Sn Superconductors" IEEE Transaction ASC, Vol. 10, No. 1, pps. 983-987			
		Caslaw, J.S., "Enhancement of the Critical Current Density in Niobium-Tin" Cryogenics, Feb. 1971, pps 57-59			
		Summers et al. "The Influence of Liquid Metal Infiltration on Superconducting Characteristics of Niobium Nitride", Advanced in Cryogenic Eng., Vol. 34, pps 835-842, 1987			
		Tachikawa, K. "Developments of A15 Filamentary Composite Superconductors in Japan by Masaki Suenaga and Alan F. Clark", Plenum Press, NY, Cryogenic Mat. Series 1980, pps. 1-15			
		Katagiri et al. "Tensile Strain/Transverse Compressive Stress Effects in Nb ₃ Sn Multifilamentary Wires with CuNb Reinforcing Stabilizer" Advanced in Cryogenic Eng., Vol. 42, Plenum Press, NY, pps. 1423-1432			
		Dew-Hughes et al. "Treatise on Material Science and Technology" Vol. 14, Metallurgy of Superconducting Materials, 1979, pps. 429-432			
		Valder, B., "Niobium Alloy C-103/Aerospace Applications" Wah Chang, Outlook 1st Quarter 2000			
EXAMINER		DATE CONSIDERED			

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.